

Date Searched: 10/6/2006

Databases Searched: USPAT, USPGPUB

Plurals: ON

Terms Searched:

L1 L1 (arc or branch or vector or edge or line) same (point or node)  
L2 (shape or geometry or feature or triangle or rectangle or pentagon or region or area or subarea or sub-area or subregion or sub-region or octagon or hexagon) same 1 same (cross\$3 or intersect\$4 or (pass\$3 adj2 (through or across)))  
L3 (domain or cover\$3 or group\$3 or cluster\$8 or partition\$3) same 1  
L4 absorb\$3 or absorption or penetrat\$4  
L5 reflect\$4 or scatter\$3  
L6 transmission or transmit\$4 or (pass\$3 adj2 through)  
L7 5 same 3  
L8 6 same 3  
L9 7 same 3  
L10 2 and 7 and 8 and 9 and @pd>"20060623"

Results: 0 hit

L13 (minority adj2 carrier) or electron

L14 13 same 2

L15 10 and 14

Results: 0 hits

L16 2 and (8 or 9 or 7)

L17 14 and 16

L16 (domain or cover\$3 or group\$3 or cluster\$8 or partition\$3) same (point or node) same current

L17 11 and 2 and 3 and 16 and @pd>20060623

Results: 9 hits

L18 17 and 7 and 8 and 9

Results: 0 hit

L19 (minority adj3 carrier) or (electron adj2 flow\$3) or current

L20 4 same 5 same 6 same 19

L21 11 and 20

Results: 1 hit

US 7096174 B2

USPAT Beattie; Michael W. et al.

703/14

US 7103487 B2

USPAT Roach; Steven D.

702/64

**\*\*Interference Search\*\***

Database Searched: USPGPUB

Plurals: ON

Terms Searched:

L1 (((arc or branch or vector or edge or line) near15 (point or node) near15 (shape or geometry or feature or triangle or rectangle or pentagon or region or area or subarea or sub-area or subregion or sub-region or octagon or hexagon) near15 (cross\$3 or intersect\$4 or (pass\$3 adj2 (through or across)))) and (domain or cover\$3 or group\$3 or cluster\$8 or partition\$3) and (absorb\$3 or absorption or penetrat\$4) and (reflect\$4 or scatter\$3) and (transmission or transmit\$4 or (pass\$3 adj2 through))))).clm.

Results: 4 hits

Date Searched: 6/23/2006

Databases Searched: USPAT, USPGPUB

Plurals: ON

Terms Searched:

L1 (arc or branch or vector or edge or line) same (point or node)  
L2 (shape or geometry or feature or triangle or rectangle or pentagon or region or area or subarea or sub-area or subregion or sub-region or octagon or hexagon) same 1 same (cross\$3 or intersect\$4 or (pass\$3 adj2 (through or across)))  
L3 (domain or cover\$3 or group\$3 or cluster\$8 or partition\$3) same 1  
L4 absorb\$3 or absorption or penetrat\$4  
L5 reflect\$4 or scatter\$3  
L6 transmission or transmit\$4 or (pass\$3 adj2 through)  
L7 5 same 3  
L8 6 same 3  
L9 7 same 3  
L10 2 and 7 and 8 and 9  
Results: 54 hits

L11 716/1-21.ccls. or 702/66-79.ccls. or 324/765-769,612-646.ccls. or 703/2,14-16.ccls.  
L12 10 and 11  
Results: 2 hits

L13 (minority adj2 carrier) or electron  
L14 13 same 2  
L15 10 and 14  
Results: 2 hits

L16 2 and (8 or 9 or 7)  
L17 14 and 16  
Results: 74 hits  
L16 (domain or cover\$3 or group\$3 or cluster\$8 or partition\$3) same (point or node)-same current  
L17 11 and 2 and 3 and 16  
Results: 64 hits

L18 17 and 7 and 8 and 9  
Results: 2 hits  
L19 (minority adj3 carrier) or (electron adj2 flow\$3) or current  
L20 4 same 5 same 6 same 19  
L21 11 and 20  
Results: 22 hits

Databases Searched: EPO, JPO, IBM TDB, Derwent

Plurals: ON

Terms Searched:

L1 (arc or branch or vector or edge or line) same (point or node)  
L2 (shape or geometry or feature or triangle or rectangle or pentagon or region or area or subarea or sub-area or subregion or sub-region or octagon or hexagon) same 1 same (cross\$3 or intersect\$4 or (pass\$3 adj2 (through or across)))  
L3 (domain or cover\$3 or group\$3 or cluster\$8 or partition\$3) same 1  
L4 absorb\$3 or absorption or penetrat\$4  
L5 reflect\$4 or scatter\$3  
L6 transmission or transmit\$4 or (pass\$3 adj2 through)  
L7 2 and 3 and 4 and 5 and 6  
Results: 4 hits

L8 (minority adj3 carrier) or electron  
L9 2 and 3 and 8  
Results: 25 hits

L10 current  
L11 2 and 3 and 10  
Results: 95 hits  
L12 (4 or 5 or 6) and 11  
Results: 35 hits

L13 (minority adj3 carrier) or (electron adj2 flow\$3) or current  
L14 4 same 5 same 6 same 13  
Results: 225 hits  
L15 14 and g06f\$.ipc.  
Results: 2 hits  
L16 (IBM TDB only) 4 same 5 same 6 same 13  
Results: 49 hits

Database Searched: IEEE/IEEE Xplore

Terms Searched: (arc or branch or vector or edge or line) and (point or node) and (shape or geometry or feature or triangle or rectangle or pentagon or region or area or subarea or sub-area or subregion or sub-region or octagon or hexagon) and(cross\* or intersect\* or (pass\* <near/2> (through or across))) and (domain or cover\* or group\* or cluster\* or partition\*) and (absorb\* or absorption or penetrat\*) and (reflect\* or scatter\*) and (transmission or transmit\* or (pass\* <near/2> through))

Results: Your search matched **1** of **1360403** documents

Terms Searched: (arc or branch or vector or edge or line) and (point or node) and (shape or geometry or feature or triangle or rectangle or pentagon or region or area or subarea or sub-area or subregion or sub-region or octagon or hexagon) and(cross\* or intersect\* or (pass\* <near/2> (through or across))) and (domain or cover\* or group\* or cluster\* or partition\*) and ((minority <near/3> carrier) or (electron <near/3> flow\*) or current)

Results: Your search matched **18** of **1360403** documents

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L30	4	((((arc or branch or vector or edge or line) near15 (point or node) near15 (shape or geometry or feature or triangle or rectangle or pentagon or region or area or subarea or sub-area or subregion or sub-region or octagon or hexagon) near15 (cross\$3 or intersect\$4 or (pass\$3 adj2 (through or across)))) and (domain or cover\$3 or group\$3 or cluster\$8 or partition\$3) and (absorb\$3 or absorption or penetrat\$4) and (reflect\$4 or scatter\$3) and (transmission or transmit\$4 or (pass\$3 adj2 through))). clm.	US-PGPUB	OR	ON	2006/10/06 17:34